MCST Report

L1B Look Up Tables for B-side, FPA Bias at 110 ready for distribution 16 November

Single Outstanding Issue is sub-frame differences for SWIR bands
- Appears to be non-linear, based on SD screen-open/SD screen –closed datasets
- 5-micron thermal leak not being corrected for yet
- Correction is in "direction" of reducing/fixing the non-linearity
- Being tested by MCST now

LUTs released to Oceans, Land and Atmospheres for their validation of L2 issues
- This release done with 5-micron thermal leak correction off
- MCST will re-deliver if our studies show improvement in SWIR behavior with leak correction on
- Oceans needs more time for L1B validation than Land and Atmospheres, and Oceans not impacted by SWIR changes due to thermal leak corrections

Sensor performance on B-side, revised FPA Bias at 110

B-side Electronics behavior

Miami reports significant improvement in fuzzy histograms in PC Bands
- No significant change in PV Bands

Generally few percent lower gain

No change in detector functionality, noise and out-of-family (OOF) behavior compared to A-side

No Formatter resets experienced on this side

"Mirror-sidedness" performance returned to At-Launch characteristic

FPA Bias of 110 (DN-value)

(Remember this change applicable only to SW/MWIR FPA (Bands 5 - 7, 20 – 26)

All detectors now working

Band 5, D17 and Band 7, D18 went OOF with radiative cooler recycle

Band 28, C9 and Band 30 C6 went OOF with radiative cooler recycle

Band 33, C10 and Band 21, C10 have been OOF since launch